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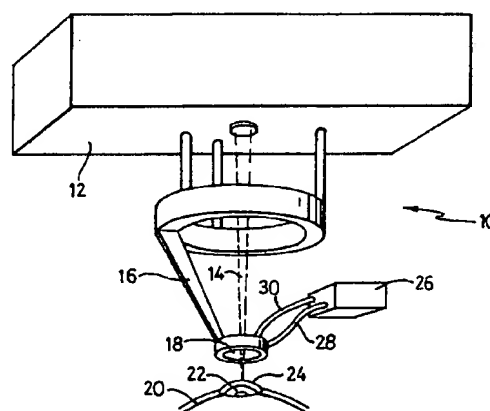
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**(54) Device for removing gas and tissue debris**

(57) A device for removing gas and debris from the stroma of an eye during ophthalmic laser surgery includes a contact lens that is formed with a recessed chamber. The device also includes a suction pump that is connected in fluid communication with the recessed chamber. In operation, the stroma is stabilized in the recessed chamber of the contact lens and an opening into the stroma is created. This opening is created either by the laser beam, or by a probe that is mounted on the contact lens to penetrate the stroma while the stroma is stabilized in the recessed chamber of the contact lens. Then, simultaneously or subsequently, as a laser beam is directed through the contact lens to photodisrupt tissue in the stroma the suction pump is activated to aspirate the resultant gas and debris through the opening and out of the stroma.



**Fig. 1**

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## EUROPEAN SEARCH REPORT

Application Number  
EP 00 30 1248

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)  A61F
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>17 July 2001</b>	Examiner <b>Mayer, E</b>
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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